

# JATIN NAYYAR

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## Education

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**Indian Institute of Information Technology, Sri City**

2024 – Present

*B.Tech in Computer Science and Engineering — GPA: 8.65/10*

India

## Experience

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**Google Developer Groups (GDG)**

**Indian Institute of Information Technology (IIITs)**

*Application Development Core*

*Sep 2025 – Present*

- Contributing to the design and development of web-based applications under GDG initiatives.
- Conducted a hands-on Git & GitHub workshop for juniors on version control and collaboration.
- Collaborating with team members to organize technical sessions and workshops.

**IOTA Projects Club**

**Indian Institute of Information Technology (IIITs)**



*Web Development Core*

*Sep 2025 – Present*

- Leading web development projects focused on building practical, real-world applications.
- Developing and maintaining responsive web applications using the MERN stack and other frameworks.

## Projects

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**Appledore** | *React, Node.js, Express, MongoDB, JWT, Zod, bcrypt, Vercel, Render*  

2026

- Built and deployed a TypeScript based MERN platform enabling users to securely store and manage categorized links.
- Implemented stateless authentication using JWT and encrypted credentials with bcrypt.
- Designed RESTful APIs with Node.js & Express and integrated them with a responsive React frontend.
- Enforced strict input validation using Zod, reducing invalid API requests.

**BanterRoom** | *Node.js, Express, Next.js, WebSockets, Redis (Pub/Sub)* 

2026

- Built a scalable real-time chat app supporting concurrent users and rooms.
- Enabled room-based messaging with unique IDs and a 10-room/user limit.
- Designed REST APIs with Express and integrated with Next.js frontend.
- Secured WebSocket connections using JWT authentication.
- Implemented message persistence using MongoDB.

**Blog CMS** | *React.js, TailwindCSS, Appwrite, Redux Toolkit* 

2025

- Built a full-stack Blog CMS with authentication and CRUD for posts.
- Managed global state using Redux Toolkit for sessions and data.
- Integrated Appwrite backend with a responsive TailwindCSS UI.

## Technical Skills

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**Languages:** C, C++, Java, Python, JavaScript, TypeScript

**Frontend:** React.js, Next.js, Redux Toolkit, Zustand, Tailwind CSS

**Backend & Systems:** Node.js, Express.js, REST APIs, WebSockets, Redis, JWT, Bcrypt, Zod

**Databases:** MongoDB, PostgreSQL, MySQL

**Tools:** Git, GitHub, Postman, Docker

## Coursework

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- Web Technologies
- Operating Systems
- Database Management Systems (DBMS)
- Object Oriented Programming
- Data Structure & Algorithms
- Computer Architecture